

TELEPHONE SETS
5300 AND 5400 SERIES

***SPECIFICATION
CANCELLED**

This index lists the information that forms a part of, or supplements this specification, and indicates the authorized issues thereof.

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" 4A			1	2	3		4								
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" 5A			1				2								
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" 7A			1		2	3	4								
" 8	1						2								
ATT DWGS															
BL-207521	2														Connections - 5302G
B-762128	1														Cording - 5-type Dial
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B-767139	1														Cording - 5302G
B-767142	1														Cording - 5304C
B-767145	1														Cording - 5306C
B-915860	1														Mounting for 426A Tube
BA-919207			1												Cording - 5410 Type
BA-919211			1												Ringer Volume Control
B-922446					1										Cording for Housing
B-930654						1									5300, 5400 Series Tel Sets, Mtg Bracket Stamping
ESL-739913	4														Connections - 5304C
ESL-780217	2														Connections - 5306C
LA-701297	10														Connections - J1 Mounting
LA-701300	6														Connections - 5410AC
LA-701356	5														Connections - 5410BC
LA-701359	5														Connections - 5410CC
SUPL SPECS															
BSRS-350.001	c														General Requirements

b--The D Series Bell System Practice of the same number shall be used until the BSRS is available.

c--Information in accordance with that currently authorized.

This index lists the information that forms a part of, or supplements this specification, and indicates the authorized issues thereof.

[illegible]

b—The D Series Bell System Practice of the same number shall be used until the BSRS is available.

c—Information in accordance with that currently authorized.

1. GENERAL

1.01 This specification contains the requirements for the recovery and conversion of black 5300 and 5400 series telephone sets as indicated in Table A.

1.02 The applicable requirements of the specifications listed on the index as SUPL SPECS shall be followed in the recovery and conversion of the telephone sets in addition to the requirements given herein.

Note: The recovery requirements listed in BSRS-361.301 and BSRS-361.321 that do not refer to any specific telephone set are applicable to the above telephone sets, unless specifically excluded herein.

Requirements Needing Special Consideration By Telephone Company

1.03 This specification includes certain requirements which need special consideration and, in some cases, action on the part of the telephone company. A brief description of these requirements and their location in the text is shown in the table below:

Paragraph No.	Requirement
2.01	Selection of appearance standards.
3.03A	Replacement of 5M dials on sets equipped with F4- or G-type handsets.
6.01	Selection of handsets.
6.02	Use of handsets with spring cords.
7.01	Conversion to 5300 and 5400 series sets.
7.05	Use of F1GR handsets
7.07A	Use of 6H dial with F4- or G-type handsets.
7.14	Use of radio suppression filter.

2. APPROVED STANDARDS

2.01 The telephone company shall select standards showing minimum acceptable appearance of the surfaces exposed to view in service on the following:

Housing - General appearance, allowable scratches, chips on exposed surfaces.

Number Ring - Chips, cracks, wear or fading of characters, number and size of retouched areas, and surface scratches.

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3. MECHANICAL

General

3.01 Sets undergoing recovery need not be checked for conformity with Table A except as required in 6.01.

Dials

3.02 The 5M dial shall meet the recovery requirements for a 5HB dial except that it shall be equipped with a 164C-3 number plate.

3.03 The 6H dial shall meet the recovery requirements for a 6A dial except that it shall be equipped with a 164C-3 number plate.

3.03A Unless otherwise specified by the telephone company, the 5M dial, if present on sets equipped with F4- or G-type handsets, shall be replaced by a 6H dial.

Miscellaneous

3.04 When sets are equipped with 6-type dials, and ringers are mounted on mounting plate P-43A293, no additional clearance is required between the dial terminals and the ringer.

3.05 The top surface of the number ring shall be hand-cleaned, using KS-14427 cleaning emulsion. No lacquer or enamel shall be applied to this surface.

3.05A The ringer volume control shall be present on all sets.

3.05B The mounting screws shall be captive in the base plate.

3.05C All base plate mounting screws shall have under the head either a captive lockwasher or a shakeproof No. 3099-08-01(C), or equivalent, internal tooth lockwasher. For replacement purposes, only mounting screws equipped with a captive lockwasher shall be used.

Cording and Connections

3.06 Cords shall be anchored securely in the mounting.

3.07 When either the G-type handset and/or the 426A electron tube is used the leads shall be dressed so as not to interfere with the operation of the set.

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3.08 Cording and connections shall be as shown on the drawings listed in the table below and as specified in 3.06 and 7.21.

Telephone Set	Cording ^①	Connection ^②
5302G	B-767139	BL-207521
5304C	B-767142	ESL-739913
5306C	B-767145	ESL-780217
5410AC	B-762128 BL-762131 BA-919207	LA-701297 LA-701300
5410BC	B-762128 BL-762131 BA-919207	LA-701297 LA-701356
5410CC	B-762128 BL-762131 BA-919207	LA-701297 LA-701359 ^③

① When a G-type handset is used, the cording in the housing shall be as shown on B-922446, whether the handset cord has either a long- or short-extended external jacket. The black and white conductors of an F-type handset cord shall be arranged in the same manner as that shown for a G type.

② When a G-type handset is used, one of the white conductors of the handset cord shall be connected to induction coil terminal R.

③ When the 5410CC set is equipped with a D10K-3 cord, the brown-red and brown-green conductors shall be connected in place of the red-red and green-green conductors, respectively, shown on LA-701359. The brown-yellow and brown-black conductors shall be connected to the unused E2 terminal of the connecting block.

Ringer Volume Control

3.09 The ringer volume control assembly shall meet the requirements specified in 7.18, 7.19, and 7.20.

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4. TESTS AND ADJUSTMENTS

General

- 4.01 In accordance with Part 4 of BSRS-361.301, the plungers for these sets shall be considered depressed when a G-type handset is positioned on the handset supporting surface of the housing.
- 4.02 Contact pairs shall be open (minimum 0.015 inch) when a G-type handset is placed on the handset supporting surface of the housing in the normal manner.
- 4.03 The F4-type handset shall meet the sidetone-talk test requirements.
- 4.04 The ringer volume shall increase as the lever arm is moved through the three positions, from low to high.
- 4.05 Ringers shall meet the requirements of BSRS-362.113, except for the following:

<u>BSRS-362.113</u> <u>Paragraph No.</u>	<u>Exception</u>
2.08	Position of clapper applies to fixed gong.
2.12	Shall not apply.
3.01	Applies to loud and next lower volume positions. Shall also provide at least a one-gong ring in, the low volume position.
3.03	Applies to loud volume position.
3.08	Applies to loud and next lower volume positions. Shall also provide at least a one-gong ring in the low volume position.

5. MARKING AND PACKING

- 5.01 When re-marking is necessary, the bottom of the base plate shall be stamped, adjacent to the ringer volume control, with the code number of the set located approximately 3/8 inch below the stamped word LOUD and with an arrow pointing to the hinged side of the set, as shown on B-930654. The stampings shall be 3/16-inch characters, using aluminum ink.
- 5.02 The carton shall be marked with the complete code number of the telephone set including the handset code. When spring handset cords are used, the R shall also appear, e.g. 5304CR-3F4.
- 5.03 Omitted on issue 4 of this page.

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6. REPLACEMENTS

6.01 Replacement of coded components, if required, shall be in accordance with Table A. Replacement handsets shall be of the type specified by the telephone company. ↩

6.02 Unless otherwise specified by the telephone company, sets shall have handsets with spring cords. ↩

7. CONVERSION

General

7.01 When requested by the telephone company, black 302G, 304C, 306C, 410AC, 410BC, and 410CC telephone sets shall be converted to black 5302G, 5304C, 5306C, 5410AC, 5410BC, and 5410CC telephone sets, respectively, as described below:

Housings

7.02 Telephone set housings shall be replaced with piece-part number housings as indicated in Table A.

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7.03 Anchor P-19A012 shall be added to each housing on top of a P-284021 bracket (cord anchor). Old-style bracket P-467747, if present, shall be replaced by a P-284021 bracket. The mounting screw shall be replaced with a P-335688 screw (No. 6 self-tapping). The anchor shall be mounted so that the circular cutout is adjacent to the side of the housing.

7.04 When sets with metal housings are to be converted, the switch assembly shall be replaced, as indicated below:

<u>Telephone Set Mounting</u>	<u>Switch Assembly</u>
H1, H5	P-290500
H3	P-290501
J1	P-347152

Handsets

7.05 Unless otherwise specified by the telephone company, sets shall be equipped with F1GR handsets.

7.06 Omitted on issue 4 of this page.

Dials

7.07 The dial shall be of the 5M type (with twin contacts on all contact springs) or 6H type, except as specified in 7.07A. These may be obtained by converting 5HB or 6A dials, respectively, as follows:

- (a) The number plate shall be replaced by a 164C-3 number plate.
- (b) The old dial code marking shall be obliterated and a new code marking stamped as specified above.

7.07A Unless otherwise specified by the telephone company, the 6H dial shall be used on sets equipped with F4- or G-type handsets.

Note: The 6H dial provides an improved dialing range, a feature consistent with the improved transmission afforded by the F4- or G-type handsets.

Number Ring

7.08 The number ring indicated in Table A shall be fastened to the housing by means of three P-335688 screws (No. 6 self-tapping) and three P-284145 washers.

CR

Hand Hole Cover

- 7.09 Cover P-18A965 shall be assembled to the housing by means of a P-335688 screw (No. 6 self-tapping).

Plungers

- 7.10 Plungers P-19A020 shall be used.

Cords

- 7.11 All handset cords shall be of the jacketed type.
7.12 Mounting cords shall be of the type specified in Table A.

Switch Assembly

- 7.13 Switch assembly shall be equipped with a P-18A964 pin.

Filters

- 7.14 When requested by the telephone company, a radio suppression filter shall be added (see Table A for code number). The filter shall mount under the left dial mounting screw and extend up toward the left plunger as viewed from the inside of the set.

Electron Tubes (306C Telephone Set)

- 7.15 The electron tube indicated in Table A shall be mounted to the capacitor strap by means of bracket P-19A011, using plate P-340593 and screws P-129732; see B-915860. The tube shall be mounted on bracket P-19A011 by means of screw P-43A106.

Keys (410-type Sets)

- 7.16 The key shall be of the 559C type and may be obtained by converting a 559A key as follows:
- (a) The knob shall be replaced by knob P-18A993.
 - (b) Stamp new code letter C on the same side as the code marking 559A appears.

OK

Ringer Volume Control

7.17 The P-10E110 ringer volume control assembly shall be mounted on the base plate as shown on BA-919211 and B-930654 and in accordance with the following:

(a) The following parts shall be removed:

- (1) Cloth screening, if present.
- (2) The ringer gong nearest the front of the set.
- (3) The mounting screw holding the front right foot in place.
- (4) If the front right foot is of the riveted type, remove the foot and rivet.
- (5) The cable retaining clamp assembled to the above foot (410-type sets only).

(b) The following parts shall be assembled:

- (1) The P-10E110 ringer volume control assembly shall be held in place on the base plate by means of a P-205652 screw fastened to the front right foot (leather covered or neoprene). 
- (2) The ringer gong shall be mounted on the volume control assembly as shown on BA-919211 using the original mounting screw. On gongs equipped with a 101A gong attachment, the P-10E127 washer shown on BA-919211 shall not be used. 

7.18 With the ringer volume control in the low volume position (the lever arm towards the edge of the set and the clapper at rest in the unoperated position), there shall be an equal clearance of at least 1/64 inch between each gong and the clapper. For this adjustment, the code marking on the movable gong shall be toward the ringer coil, and the ringer biasing spring shall be in the center position. 


7.19 There shall be a clearance between the end of the gong mounting screw or the gong mounting arm and the ringer gong mounting.

7.20 In the low volume position, the gongs shall not touch the housing.

7.21 On 5410-type sets, the base plate shall be corded in accordance with BA-919207, instead of as shown on BL-762131.

Note: Electrical tape may be substituted for lacing twine at tied locations on BA-919207.

CF

TABLE A

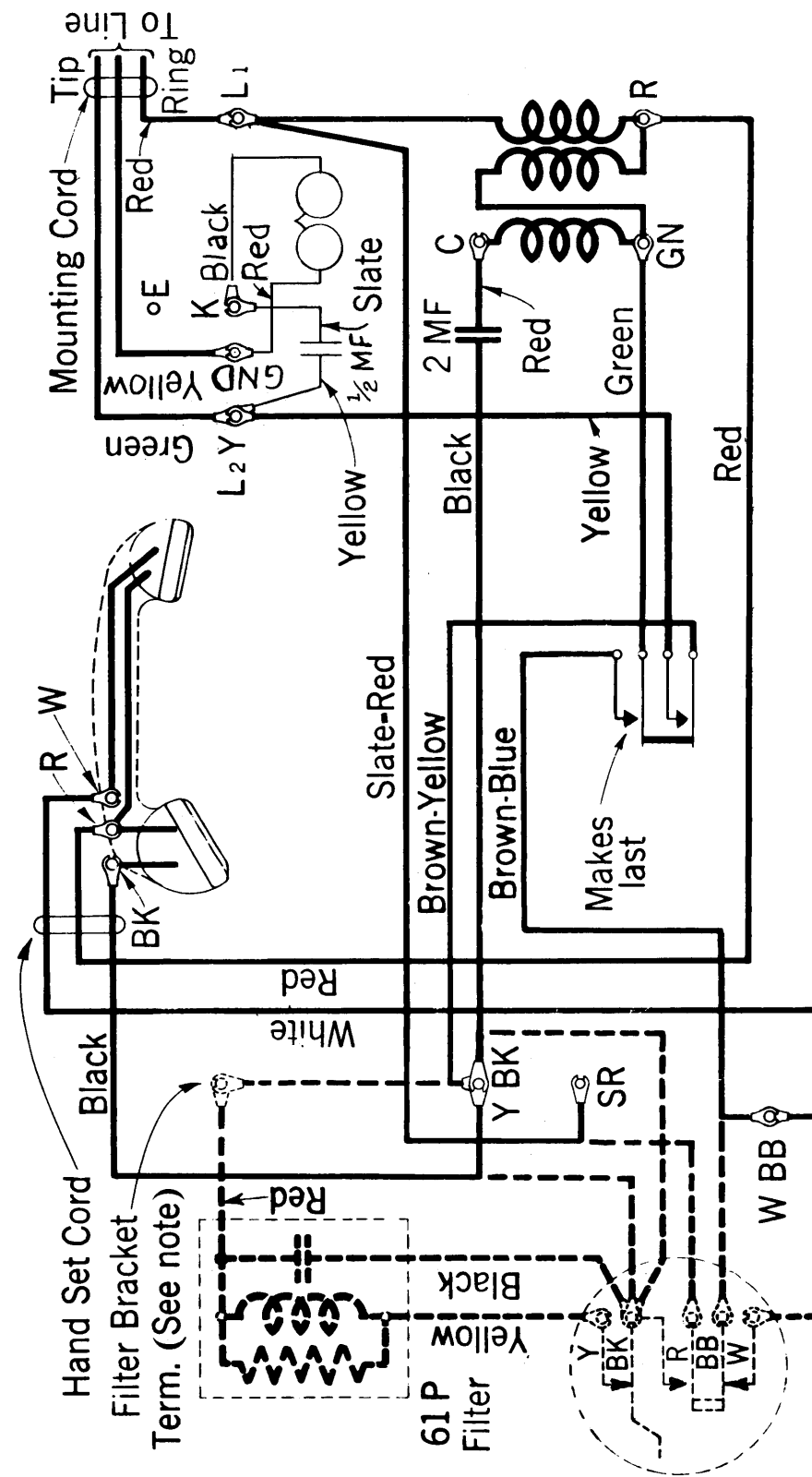
Telephone Set	Housing	Mtg Cord	Handset	Dial	Dial Adapter	Number Plate	Number Ring	Capacitor	Induction Coil	Ringer	Key	Electron Tube	Filter (Optional)	Hand Hole Cover
5302G	P-18A921	D3AY, D3AA, KS-16303, D3BF-3, D3BK-3	G1A, FIG, F4A, or G1AR, FIGR, F4AR	6H, 5M	59A	164C-3	P-18A974	195A	101A	B1AL, B1A			61S	P-18A965
5304C	P-18A921	D3AY, D3AA, KS-16303, D3BF-3, D3BK-3	G1A, FIG, F4A, or G1AR, FIGR, F4AR	6H, 5M	59A	164C-3	P-18A974	195A	101B	B2AL, B2A			61S	P-18A965
5306C	P-18A921	D3AY, D3AA, KS-16303, D3BF-3, D3BK-3	G1A, FIG, F4A, or G1AR, FIGR, F4AR	6H, 5M	59A	164C-3	P-18A974	195C	101A	B3A*		426A	61S	P-18A965
5410AC	P-18A930	D4AN D4BE-3	G1A, FIG, F4A, or G1AR, FIGR, F4AR	6H, 5M	59A	164C-3	P-18A974	195B	101A**	B1AL, B1A	559C		61S	P-18A965
5410BC	P-18A930	D6U-3 D6AA-3	G1A, FIG, F4A, or G1AR, FIGR, F4AR	6H, 5M	59A	164C-3	P-18A974	195B	101A**	B1AL, B1A	559C		61S	P-18A965
5410CC	P-18A930	D8M-9 D10K-3	G1A, FIG, F4A, or G1AR, FIGR, F4AR	6H, 5M	59A	164C-3	P-18A974	195B	101A**	B1AL, B1A	559C		61S	P-18A965

*The 41A gong of the B3A ringer shall be equipped with a 101A gong attachment with a solid cover.

**Equipped with a 39A shield.

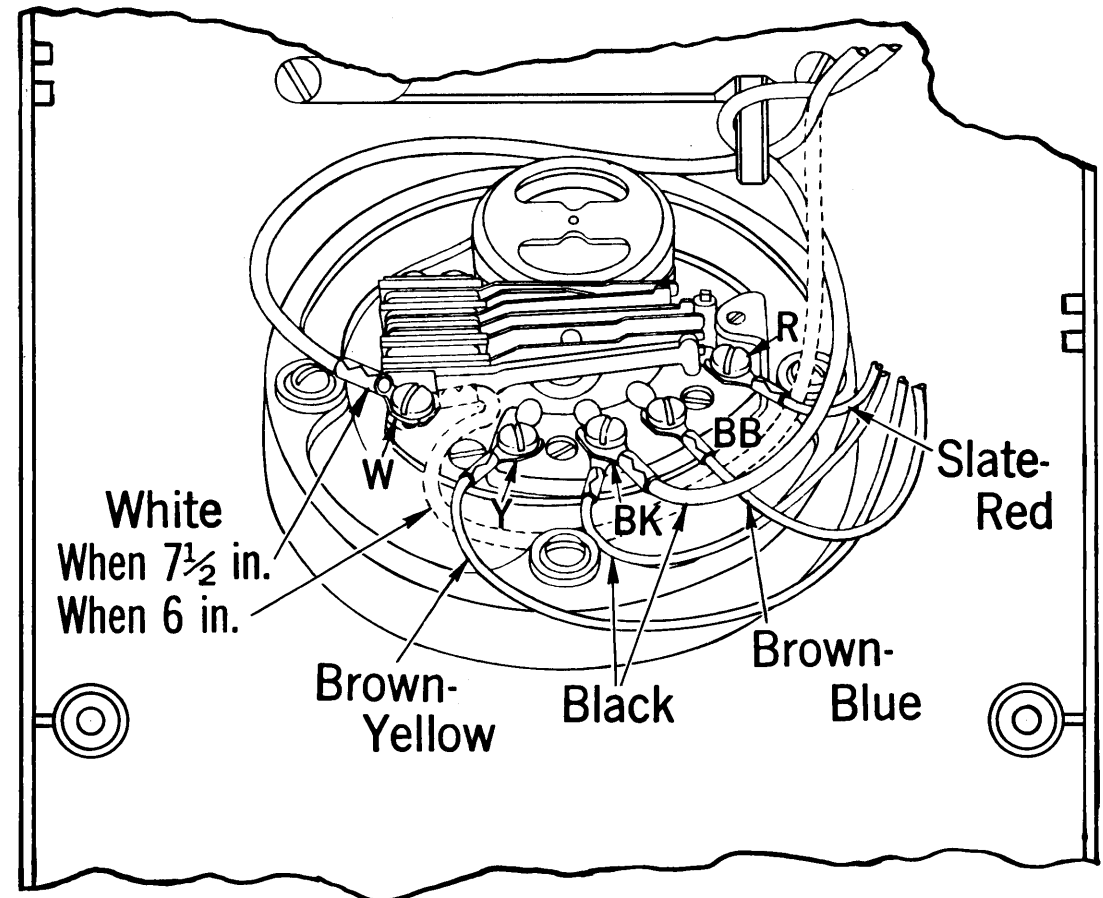
Note: When more than one code of apparatus or piece part is listed as suitable for replacement purposes in Table A, and there is no local stock of any of these available, order that which is underlined.

CP



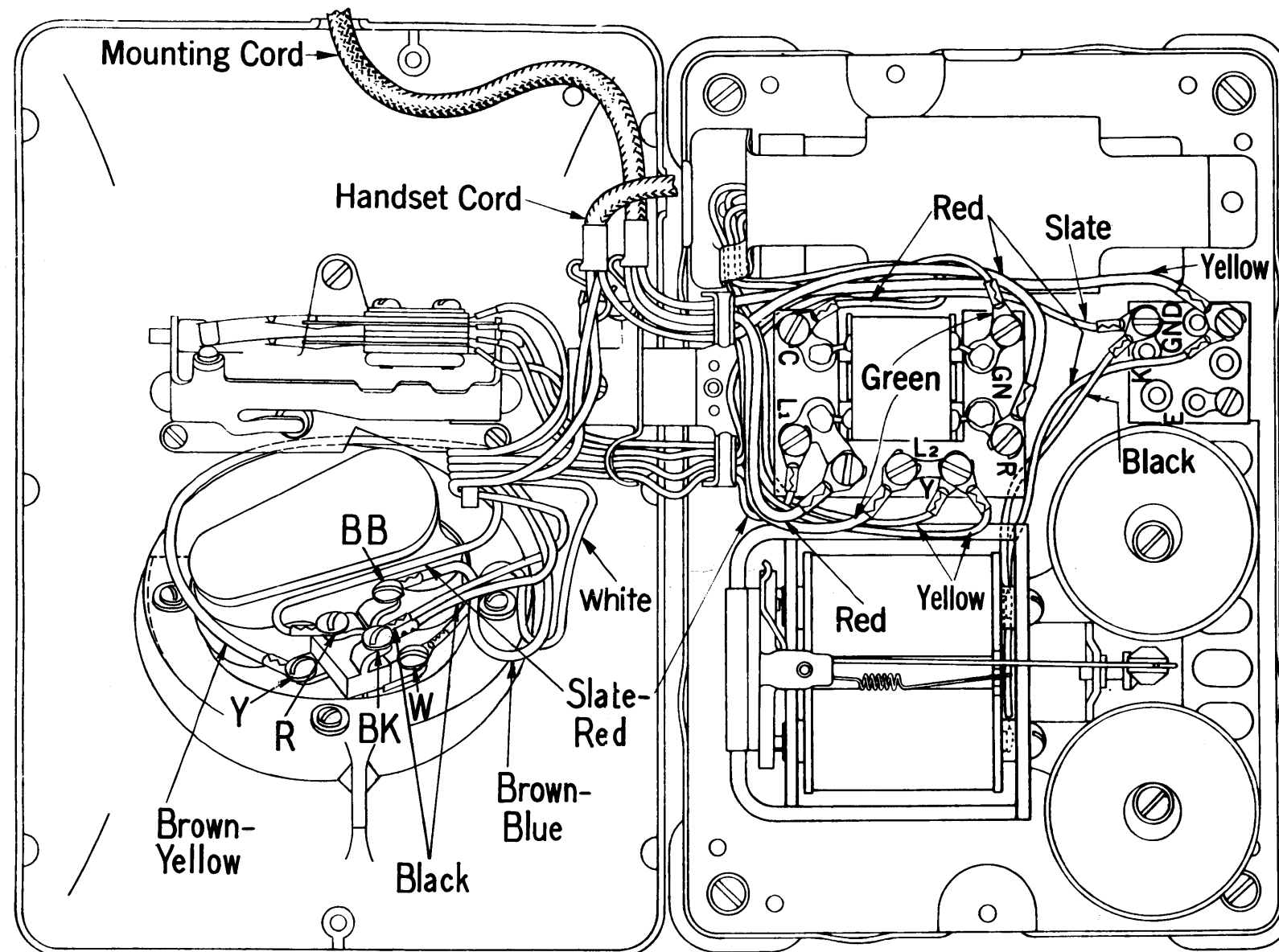
Note: If filter is not provided connect brown-yellow lead from the switch contacts to Y of dial instead of to filter bracket terminal. Terminals Y-BK, SR and W-BB are on the manual set apparatus blank.

DESIGN	C. H. Hamill	CHH.
DRAWN	SE/ J. A. R.	
ISSUE	1	7-1-52



USED ON	DWG
TWIN CONTACT 4 OR 5 TYPE DIAL	
SCALE	
WESTERN ELECTRIC CO. INC ENGINEER OF MANUFACTURE CENTRAL OFFICE EQUIPMENT	
BELL TELEPHONE LABORATORIES, INC	
B - 762128	

MATERIAL	FINISH
DIMENSIONS UP TO AND INCLUDING 72 INCHES EXPRESSED IN INCHES. NON-LIMITED DIMENSIONS, OTHER THAN SIZE OF RAW MATERIAL, SHALL BE HELD WITHIN FRACTIONAL DECIMAL	
DWS SIZE 2S	



LA-

DIMENSIONS UP TO AND INCLUDING 72 INCHES EXPRESSED IN INCHES

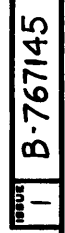
PRINTED IN U. S. A.

ISSUE A-

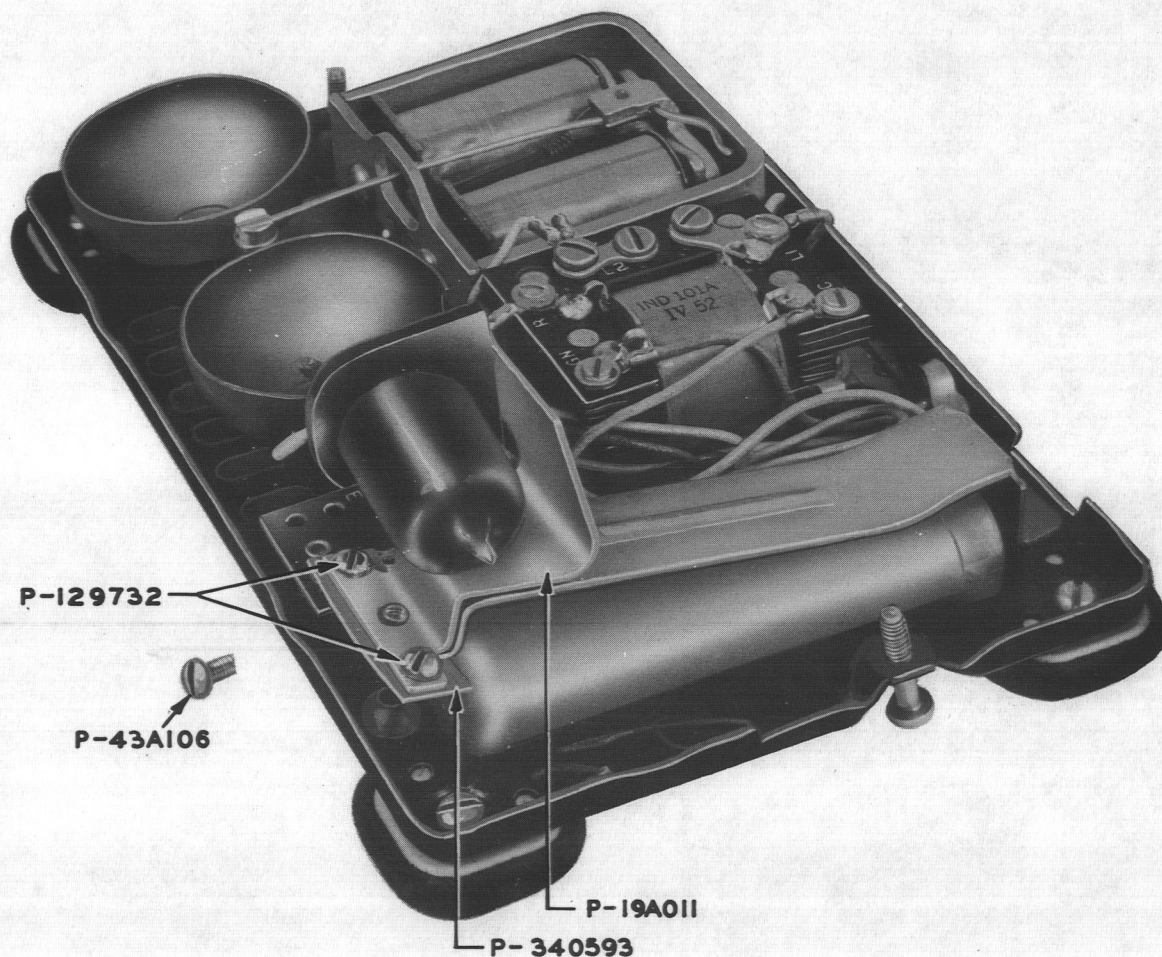
USED ON	DWG.
●-DENOTES MANUFACTURE DISCONTINUED	
D-17348 (3 CONDUCTOR) 302E, F, G & H TYPE TELEPHONE SET BSP-C 32.504, FIG. 7 BSRS 353.351	
SCALE ~	
DRAWN	APPROVED
CHECKED	
WESTERN ELECTRIC CO. INC. ENGINEER OF MANUFACTURE	
LA-	
L	

ISSUE 1 4-16-53

APPL'S	
BY SUP'V	CH. ENGR
BELL TELEPHONE LABORATORIES, INC. NEW YORK	
B-767139	
LA-	



USED ON	DWG
<i>306B,C, & D</i> TELEPHONE SETS <i>WITH 426A VACUUM TUBE</i> BSP C32,504 F16,14 <i>B.S.R.S. 353,351</i> SCALE ~	
WESTERN ELECTRIC CO. INC ENGINEER OF MANUFACTURE	
BELL TELEPHONE LABORATORIES, INC	
B-767145 A-	

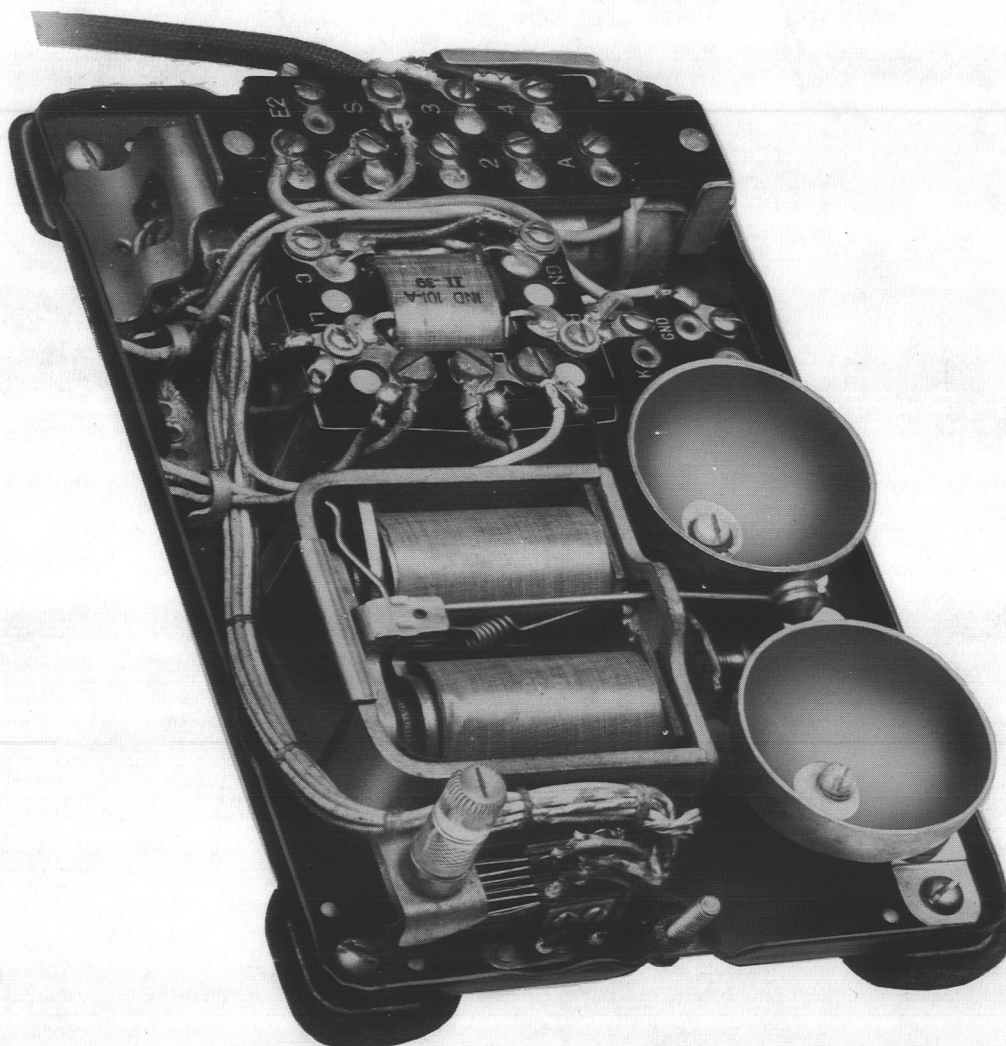


ISSUE 1 8-9-55

5306C
TELEPHONE SET
TUBE MOUNTING

B-915860

CR



ISSUE 1 1-13-56

5410 TYPE TEL. SET
BASE PLATE
CORDING

BA-919207

CR

P-10E110 RINGER
VOLUME CONTROL
ASSEMBLY

PI0E127 WASHER
(SPACER)

P-205652
MOUNTING
SCREW

CONTROL ARM

GONG MOUNTING END

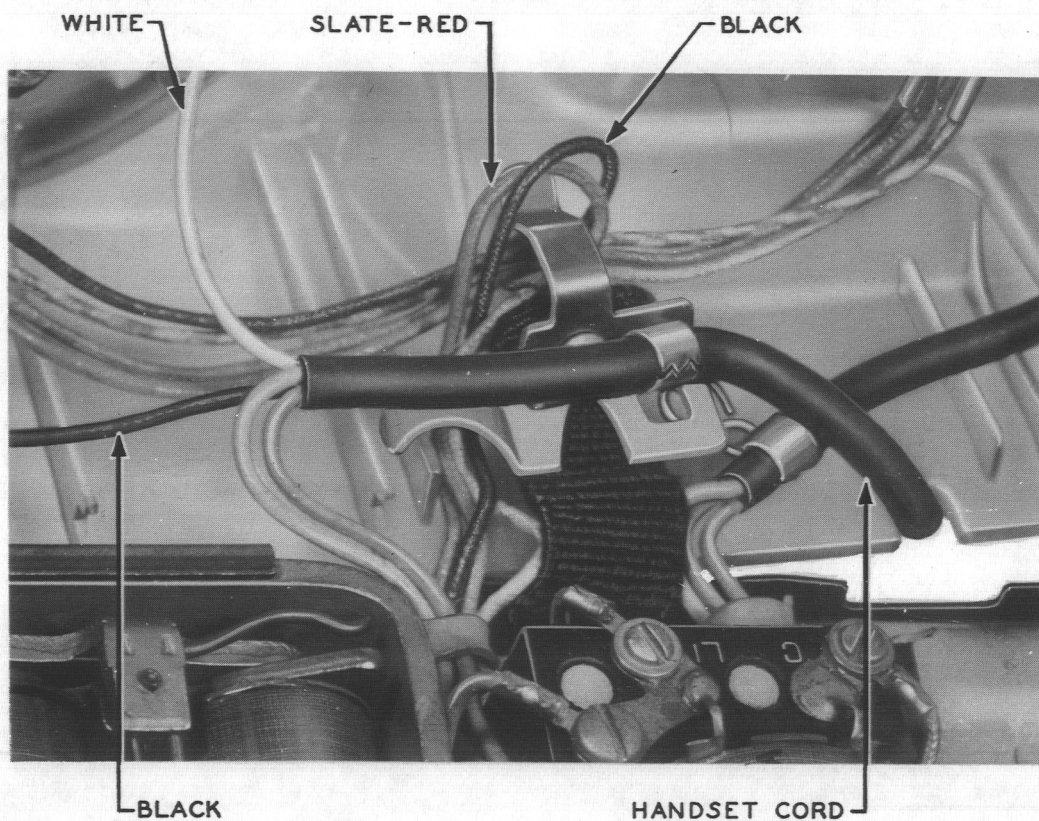
LEVER END

ISSUE 1 1-14-56

5300 & 5400 SERIES
TEL. SETS
RINGER VOLUME
CONTROL

BA-919211

CP



ISSUE-1	4-27-56
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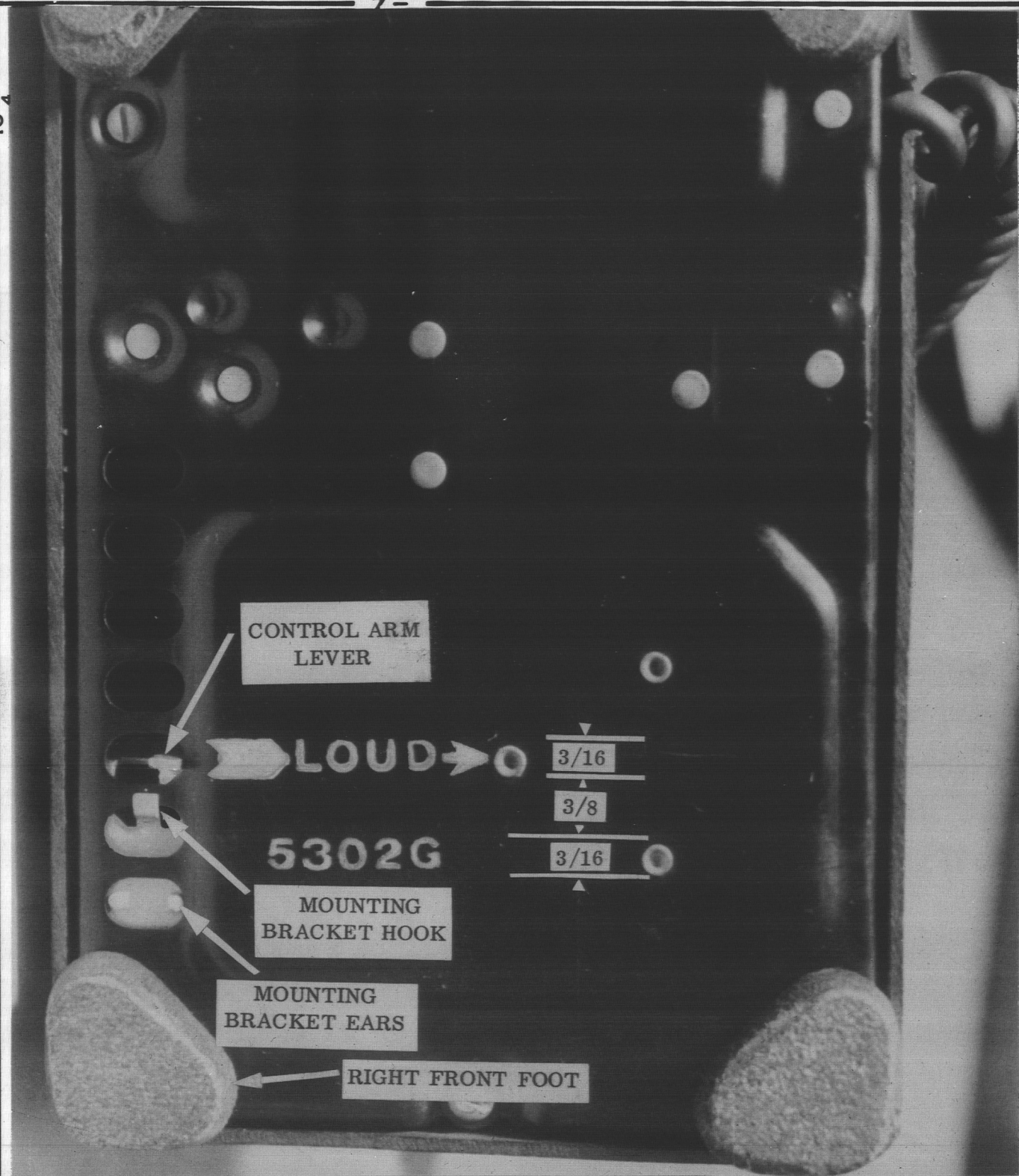
5300 AND 5400
SERIES TEL. SETS
CORDING FOR HOUSING

B-922446

CP

10 1/4

7 1/2



ENGR	10-3-37
DRAWN	
ISSUE 1	

**5300 & 5400 SERIES
TEL. SETS
MOUNTING BRACKET &
STAMPING**

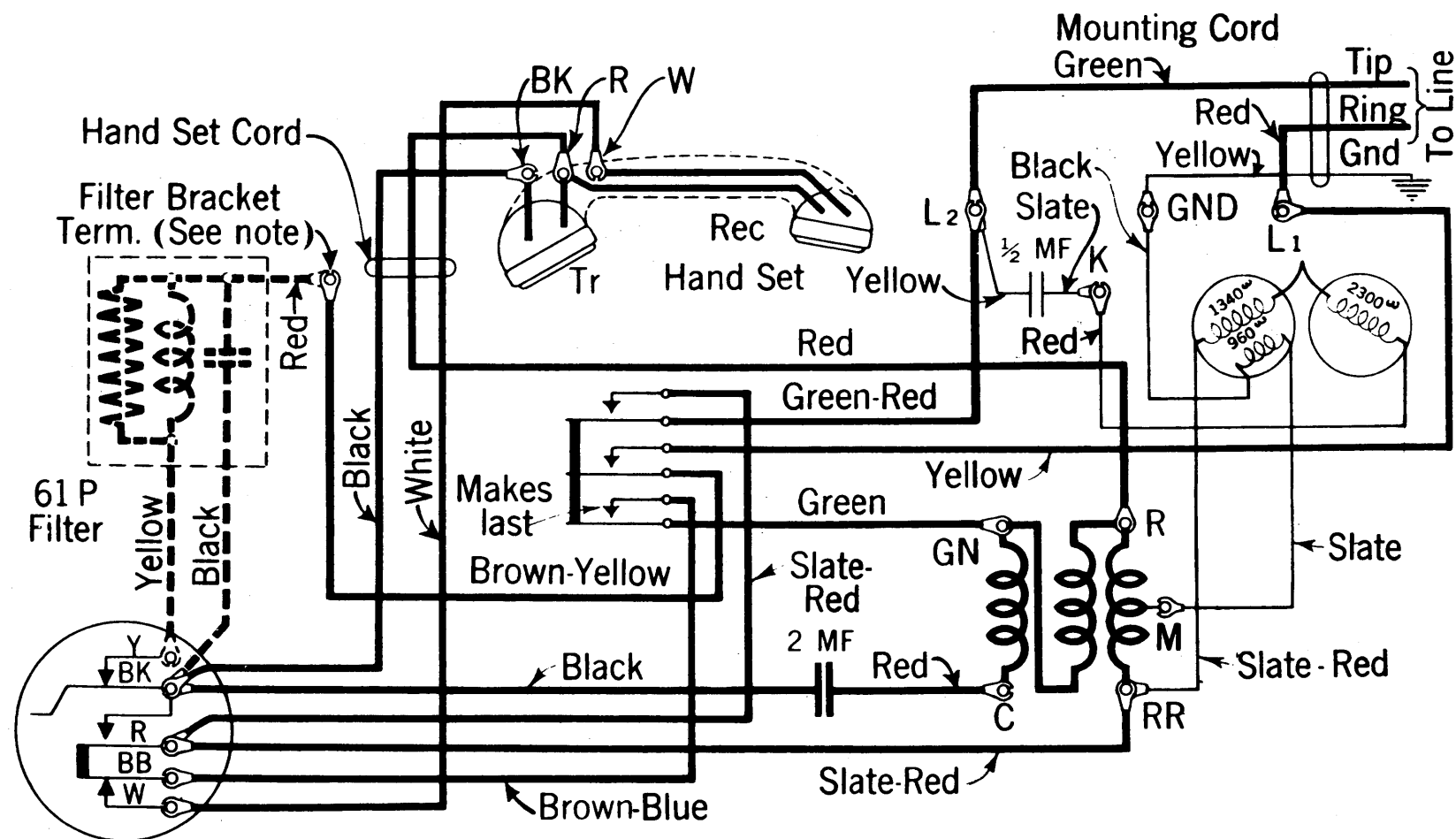
WESTERN ELECTRIC COMPANY, INC.
ENGINEER OF MANUFACTURE
BELL TELEPHONE LABORATORIES
INCORPORATED

**B-930654
A-**

SHEET

NO. OF SHEETS PER SET SEE SHEET 1

CP



Note:- If filter is not provided connect brown-yellow lead from switch contacts to Y of dial instead of to filter bracket terminal.

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DIMENSIONS UP TO AND INCLUDING 72 INCHES EXPRESSED IN INCHES

ESL-739913
ISSUE

A-

B.S.P. 0353.302

USED ON DWG.

●-DENOTES MANUFACTURE DISCONTINUED

304 TYPE
TELEPHONE SET

SCALE

DRAWN APPROVED

CHECKED

WESTERN ELECTRIC CO.
INC.
ENGINEER OF MANUFACTURE

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L

ISSUE 1 5-2-38
REDRAWN FROM ISSUE 1 DUE TO MINOR CHANGES
R.F.
ISSUE 2 2-10-39
REDRAWN FROM ISSUE 2 DUE TO LOST TRACING.
L.B. CD 8-26-44
ISSUE 3 8-26-44
"B.S.P. 0353.302" WAS SPEC. IN THE TITLE.
RND SLE
ISSUE 4 3-21-55

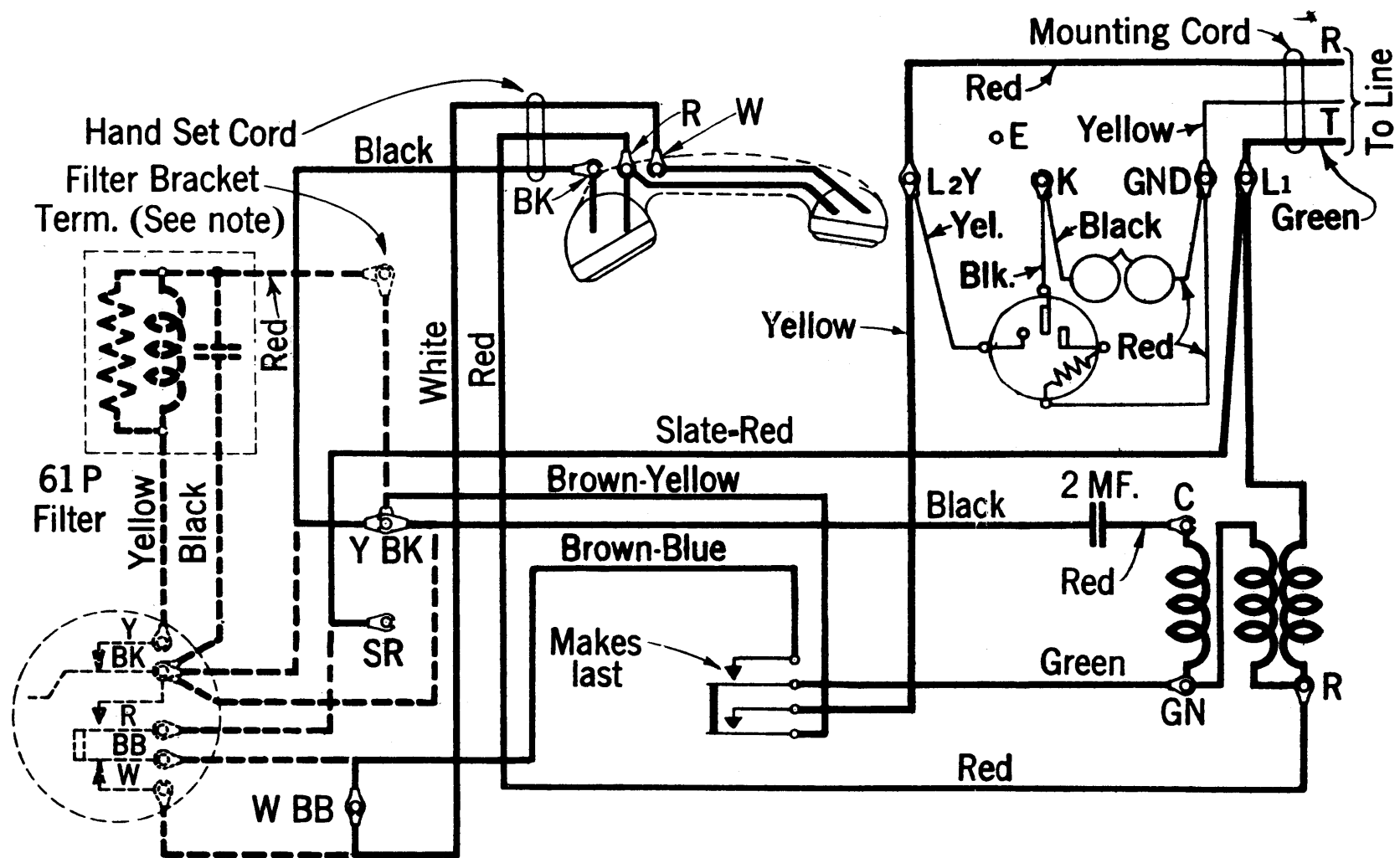
APP'LS
DR. R.F. CH. ENG. W.L.B.

BELL TELEPHONE
LABORATORIES, INC.
NEW YORK

ESL-739913

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Note: If filter is not provided connect brown-yellow lead from the switch contacts to Y of dial instead of to filter bracket terminal. Terminals Y-BK,SR and W-BB are on the manual set apparatus blank.

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DIMENSIONS UP TO AND INCLUDING 72 INCHES EXPRESSED IN INCHES

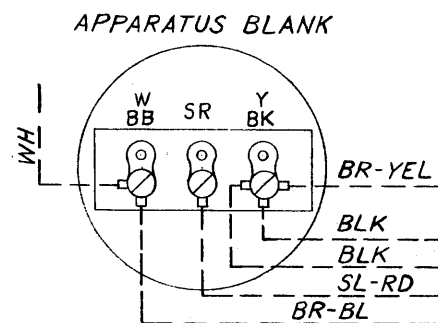
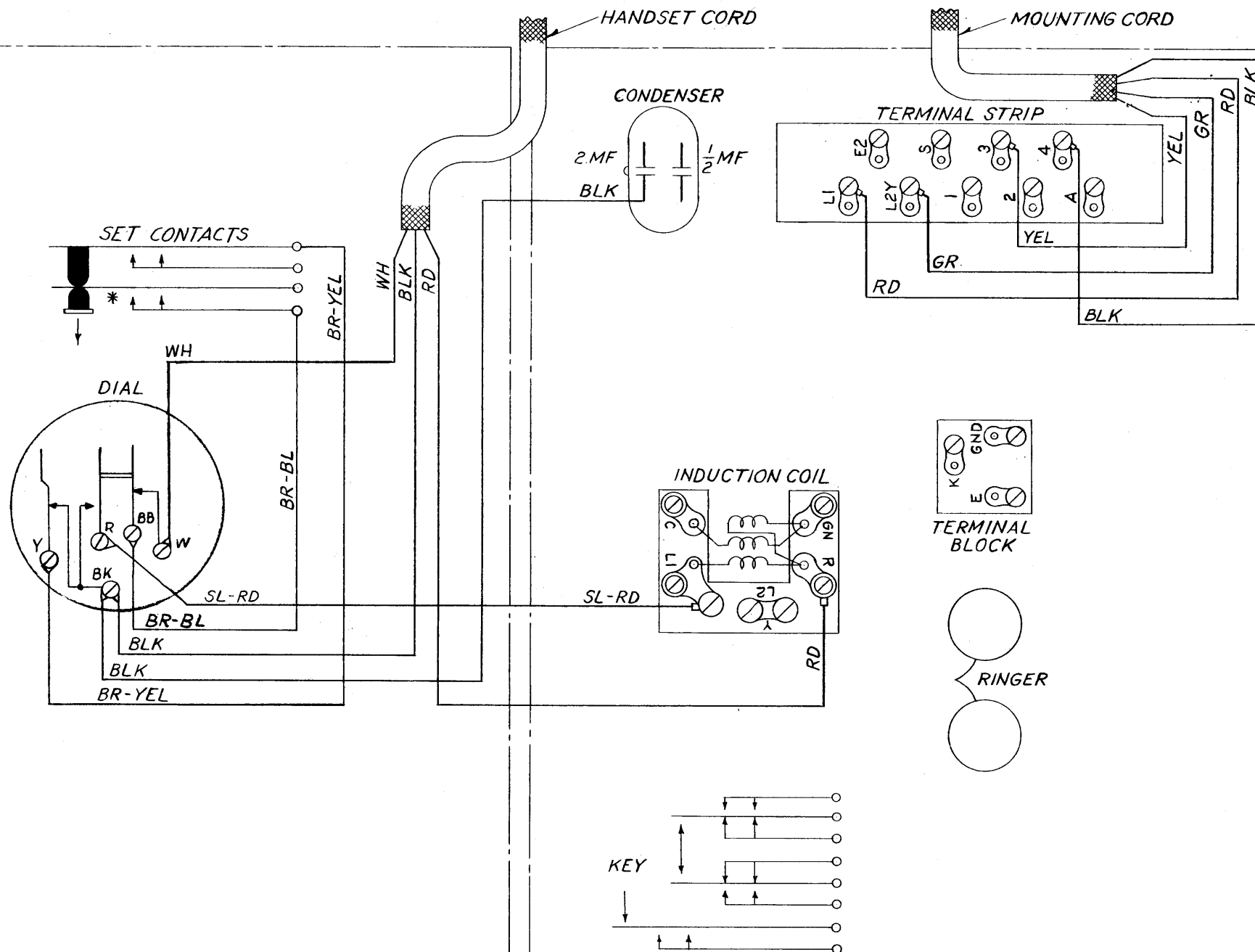
ESL-780217 A-	
ISSUE	
B.S.P. C63.414	
USED ON	DWG.
●-DENOTES MANUFACTURE DISCONTINUED	
306A,B,C,& D TEL. SET CONNECTIONS	
SCALE	
DRAWN	APPROVED
CHECKED	
WESTERN ELECTRIC CO. INC. ENGINEER OF MANUFACTURE	
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ISSUE 1 WAS "306 TEL. SET B.S.P. C63.414"	
RHD	WLB
ISSUE 2 3-2-55 CORN	
APPLS	
DR RBB	CH. ENG. MLE
BELL TELEPHONE LABORATORIES, INC. NEW YORK	
ESL-780217	
LA-	

CR

APPL'S [] [] []
[] [] []
OR LITHO. E.I. CN. ENG. J.M.H.
BELL TELEPHONE
LABORATORIES, INC.
NEW YORK
ES
LA-701297

* MAKES LAST



- NOTES:-
1. FOR OTHER WIRES, SEE WIRING DIAGRAM FOR J1 TELEPHONE SET MOUNTING.
 2. SL-RD WIRE OF INDUCTION COIL, BLK WIRE OF CONDENSER, AND BR-BL BL AND BR-YEL WIRES OF SWITCH ARE SPECIFIED ON WIRING DIAGRAM FOR J1 TELEPHONE SET MOUNTING.

LA-701300

DIMENSIONS UP TO AND INCLUDING 72 INCHES EXPRESSED IN INCHES

LA-701300 A-
ISSUE

PRINTED IN U. S. A.

USED ON DWG.

MANUFACTURE DISCONTINUED

410 TYPE TELEPHONE SET

WIRING DIAGRAM

SCALE ~

DRAWN APPROVED

CHECKED

WESTERN ELECTRIC CO. INC.
ENGINEER OF MANUFACTURE

LA-701300

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L

LA-701300 A-
ISSUE

PRINTED IN U. S. A.

ISSUE 1: 2-9-38
TITLE "410 TYPE" WAS NOT SPEC. NOTE 2 WAS SPEC.

LA-701300 A-
ISSUE 2: 7-6-38
IN 2 PLACES BR-BL WAS BR-BL-BL "SET CONTACTS" WAS "SWITCH"

LA-701300 A-
ISSUE 3: 12-13-38
YEL & BLK LEADS FROM MTG. CORD WERE SHOWN TO 5 TERM. ON TERM. STRIP & GND. TERM. ON TERM. BLOCK RESP.

LA-701300 A-
ISSUE 4: 1-24-39
FILTER WAS SHOWN CONNECTED TO DIAL THUS:

LA-701300 A-
ISSUE 5: 7-6-48
DIAL WAS SHOWN THUS:

LA-701300 A-
ISSUE 6: 2-11-52

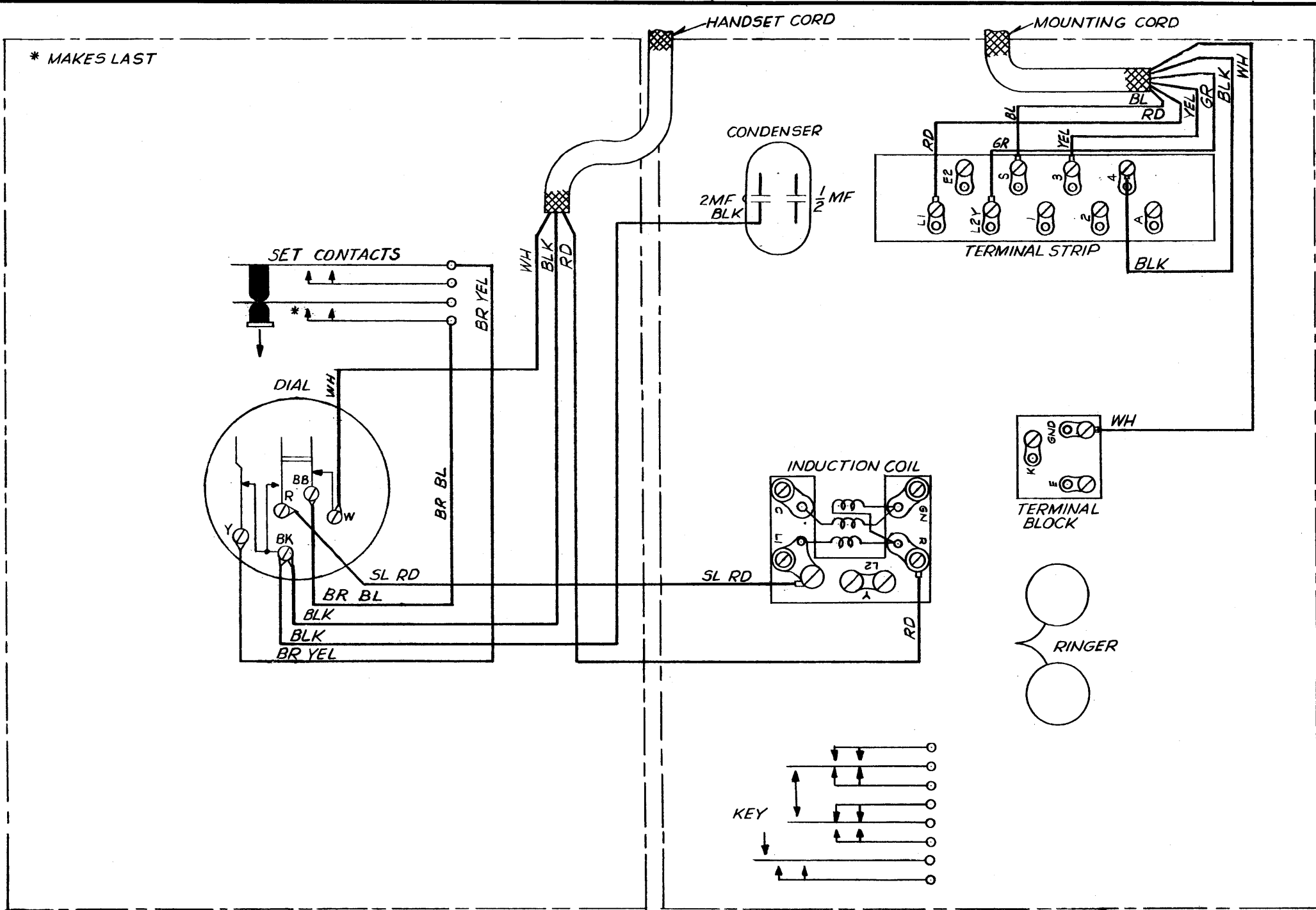
APPL'S PHA WWS

DR. J.H.M. CH. S.J.F. ENG. J.M.H.

BELL TELEPHONE LABORATORIES, INC.
NEW YORK

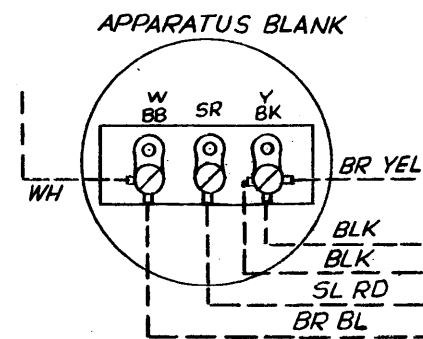
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LA-701300



* MAKES LAST

NOTES:
1. FOR OTHER WIRES, SEE WIRING DIAGRAM FOR
J1 TYPE TELEPHONE SET MOUNTING.

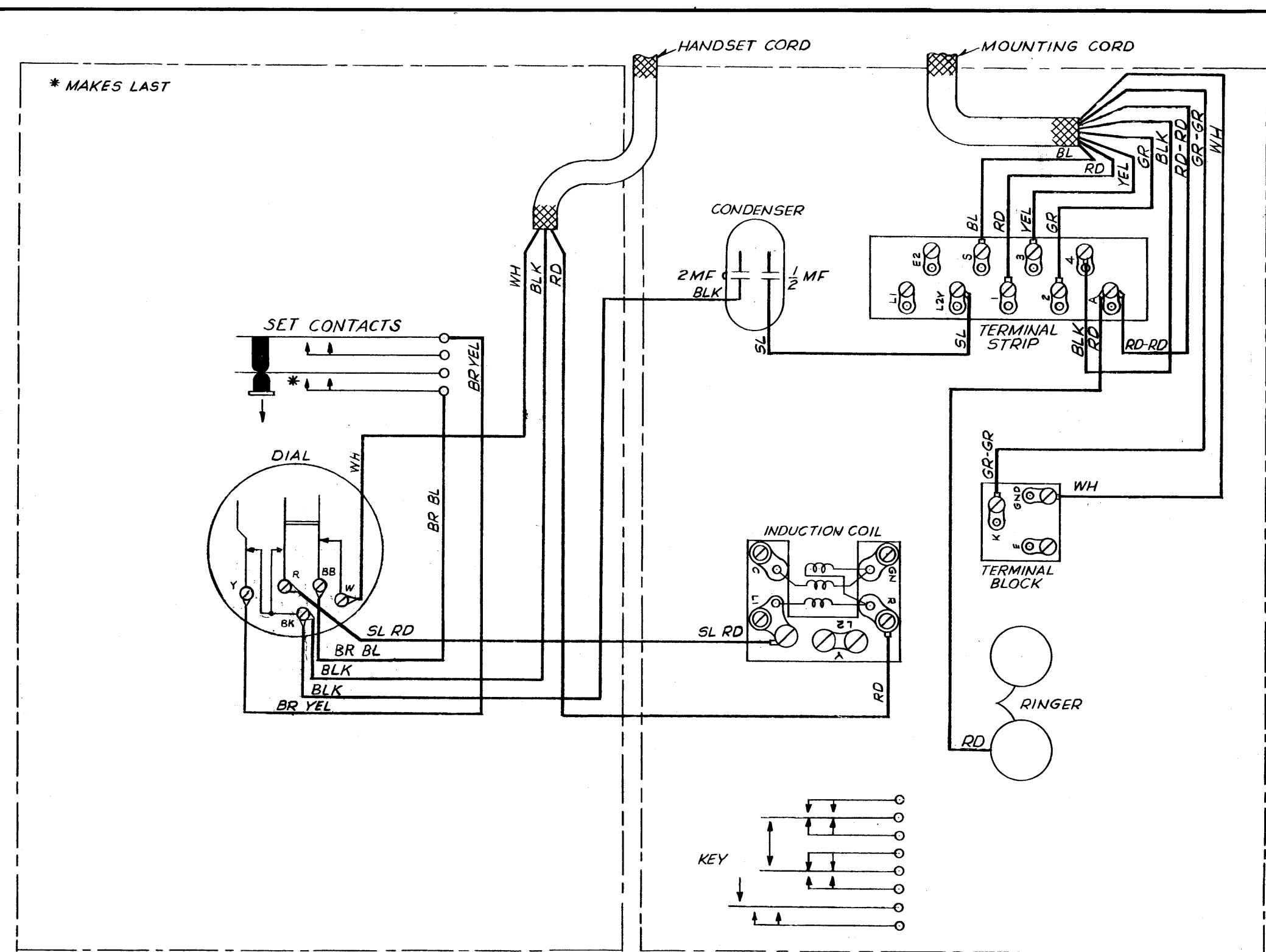


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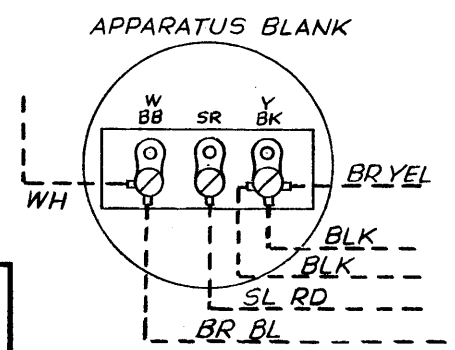
LA-701356 A	
ISSUE	
USED ON _____ DWG. _____ ●-DENOTES MANUFACTURE DISCONTINUED 410 TYPE TELEPHONE SET WIRING DIAGRAM SCALE ~ DRAWN _____ APPROVED _____ CHECKED _____ WESTERN ELECTRIC CO. INC. ENGINEER OF MANUFACTURE LA-701356 H L	

ISSUE 1 4-18-38 IN 2 PLACES BR-BL WAS BR-BL-BL. "SET CONTACTS" WAS "SWITCH." INTERNAL CONNE- TIONS OF INDUCTION COIL WERE SHOWN THUS: 	
J.V. J.F.M. J.H. J.M. CO 122898 ISSUE: 2 12-13-38 RD & GR LEADS FROM MTG. CORD WERE SHOWN TO TERMS. 1 & 2 RESR ON TERM. STRIP. A.P. J.T.K. B.T. J.H. CO 123061 ISSUE: 3 1-31-39 FILTER WAS SHOWN CON- NECTED TO DIAL THUS: 	
WHEN FILTER IS USED THE BR-Y WIRE SHALL BE CONNECTED TO TERMINAL ON FILTER AS INDICATED. A.N.R. J.T.K. B.T. J.H. CO 138739 ISSUE 4 7-6-48 DIAL WAS SHOWN THUS: 	
SUM. ENG. J.H. E.C. J.H. CO-144518 ISSUE 5 2-11-52	
APP'L'S J.H. J.H. J.H. DR. M.D. J.H. ENG. J.M.H. BELL TELEPHONE LABORATORIES, INC. NEW YORK ES LA-701356	

* MAKES LAST



NOTES:
1. FOR OTHER WIRES, SEE WIRING DIAGRAM FOR J1 TYPE TELEPHONE SET MOUNTING.



LA-701359

DIMENSIONS UP TO AND INCLUDING 72 INCHES EXPRESSED IN INCHES

M-33012		PRINTED IN U. S. A.	
LA-701359		A-	
ISSUE			
USED ON		DWG.	
●-DENOTES MANUFACTURE DISCONTINUED			
410 TYPE TELEPHONE SET WIRING DIAGRAM			
SCALE ~			
DRAWN		APPROVED	
CHECKED			
WESTERN ELECTRIC CO. INC. ENGINEER OF MANUFACTURE			
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M-33012		4-19-38	
ISSUE 1		IN 3 PLACES BR-BL WAS BR-BL-BL "SET CONTACTS" WAS "SWITCH"	
INTERNAL CONNECTIONS OF INDUCTION COIL WERE SHOWN THUS:		COND. WAS SHOWN THUS:	
K.J.K. J.F.M. W.D.S.			
CO 122898		W.D.S.	
ISSUE 2		12-13-38	
YEL LEAD WAS SHOWN FROM 1/2 MF. ON COND. TO TERM. L2Y ON TERM. STRIP			
A.P. T.T.K. S.V. W.D.S.			
CO 123061		W.D.S.	
ISSUE 3		2-6-39	
FILTER WAS SHOWN CONNECTED TO DIAL THUS:			
WHEN FILTER IS USED THE BR-Y WIRE SHALL BE CONNECTED TO TERM. ON FILTER AS INDICATED.			
A.J.R. S.C.O. W.D.S.			
CO 138739		W.D.S.	
ISSUE 4		7-6-48	
DIAL WAS SHOWN THUS:			
SUMMIT ENG. PC H.S. E.C.G. W.D.S.			
CO-144518		W.D.S.	
ISSUE 5		2-11-52	
APP'LS		W.D.S.	
DR. M.O. CH. K. J. M.H.		W.D.S.	
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